No. 881—1939.

British Standards Institution

Incorporated by Royal Charter.

Formed in 1901 as the Engineering Standards Committee.

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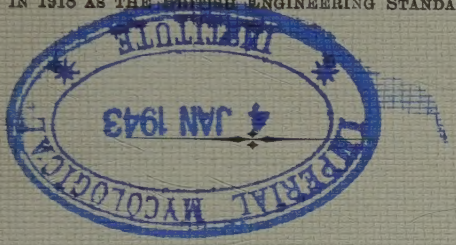

BRITISH STANDARD

NOMENCLATURE OF HARDWOODS

(INCLUDING BOTANICAL NAMES AND SOURCES OF SUPPLY).

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This Specification, having been approved by the Timber Industry Committee, and endorsed by the Chairman of the Building Divisional Council, was published under the authority of the General Council as a British Standard on 11th December, 1939.

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CO-OPERATING ORGANISATIONS.

The Timber Industry Committee under whose supervision this British Standard was prepared consists of representatives from the following Government Departments and Scientific and Industrial Organisations :—

*Department of Scientific and Industrial Research *(Forest Products Research Laboratory).
*H.M. Office of Works.
Chartered Surveyors' Institution.
*Institution of Civil Engineers.
Institution of Structural Engineers.
*National Federation of Building Trades Employers.
*Railway Companies of Great Britain.
*Royal Institute of British Architects.
*Timber Development Association.
*Timber Trade Federation of the U.K.

The Government Departments and Scientific and Industrial Organisations marked with an asterisk in the above list, together with the following, were directly represented on the Committees entrusted with the preparation of this British Standard :—

British Furniture Trades Joint Committee.
Empire Forestry Association.
High Commissioner for India.
High Commissioner for New Zealand.
Imperial Institute.
Trade Commissioner for Canada.
Other suppliers of timber.

FOREWORD.

In compiling a British Standard Nomenclature for the hard-woods of actual, or potential, commercial importance in Great Britain the British Standards Institution has followed a similar procedure to that which it adopted in the preparation of the Nomenclature of soft-woods already published (B.S. 589). The guiding principle has been the same in both cases, namely, to establish *a single standard name* for any one timber, and to restrict that name to *one timber only*.

In putting this principle into effect two main problems have had to be faced. These may be summarised as follows :—

I. *In many cases one timber has been known by a number of different names.*

This has led to much confusion, particularly where the timber is one in common use.

When considering this problem it must be borne in mind that the common name by which a timber is known in Great Britain is not always the same as that by which it is known in its country of origin ; but where a name has been established by trade custom in this country it has not been thought advisable to alter it.

Again, it frequently happens that a timber has been marketed under different names in different parts of Great Britain, and these synonyms have acquired a definite standing in the localities where they have been used. The Institution has aimed, however, at establishing, for each timber, a British Standard Name which shall be recognised and accepted throughout the whole country : with this in view, the common name which appears to have been used most widely—or under which the greatest volume of the timber has been imported into this country—has been chosen.

II. *In a number of instances the names of well-known woods—such as oak, walnut, mahogany or teak—have been applied to timbers which have no botanical relationship with those properly so named. Names coming within this category are distinguished throughout the nomenclature by quotation marks.*

Some of these names may have been given, in the first instance, with the hope that they would attract the attention of the public to the new timber : the choice of name may well have been influenced by a similarity in appearance, or in other superficial characteristics, to the timber whose name has been borrowed,

although the actual working qualities, and other important properties which affect the use, may be very different. It is to be noted, however, that the new timber, while its properties may differ from those of its namesake, may yet have very valuable qualities of its own, and accordingly it must not be inferred, from the fact that the name appears in quotation marks, that the timber is necessarily inferior for a specific purpose to the timber which is true to name.

Wherever a satisfactory synonym existed in common use, this has been adopted as the Standard Name, and any alternative names have been placed in Column 5 for reference. In certain instances, however, no such synonym was found to be available, and in these cases the Institution has found it necessary to adopt, as a Standard Name, one which, although inappropriate in itself, has become firmly established by trade custom. Such Standard Names, which may be confusing or even misleading, have been † distinguished by a special sign (†) and in a few instances, as a further guide to the reader, a special note has been inserted in Column 4.

It must be emphasised, however, that the acceptance of unsatisfactory trade names as Standard, in these instances, must not be considered a precedent to justify the acceptance of similar names hereafter. In view of the difficulties that can arise, the Institution wishes to draw the particular attention of those who will be responsible in the future for the naming of timbers—whether at the source of production overseas or in the trade at home—to the desirability of choosing names that will not be misleading, nor likely to cause confusion in the nomenclature.

A trade practice which has somewhat complicated the nomenclature is that of adopting a name for a variety of the timber produced by a certain mode of conversion, or from different parts of the tree having distinctive tones or colours: Nos. 46, 63 and 95 may be cited as examples. This practice has even been extended to timbers artificially stained, the result being that such timbers are marketed under names which would not be associated with the true species.

The Nomenclature covers all hardwoods of economic importance in Great Britain, whether produced in the Empire or elsewhere. It will be noted that the countries named under "Sources of Supply" (Column 3) are arranged with the Empire sources (if any) placed first, and other sources in alphabetical order thereafter.

The lists of synonyms given in Column 5 are the result of considerable research, the other names under which a timber may be known, not only at home but also abroad, being given. Those synonyms which, if used, are likely to cause further confusion are marked with an asterisk. Their inclusion in the list, however,

will on occasion be helpful, especially when references are made to a timber by a name used abroad. In this country the thoroughly cross-referenced index on pp. 55–73 will be found particularly useful in connecting the synonym with the Standard Name.

It is confidently hoped that the general adoption of a nationally agreed Standard Nomenclature will result in introducing uniformity and simplicity in place of the chaotic conditions which have hitherto existed ; it is to be expected that the use of some alternative names will continue, but the general position will have been greatly clarified. In specifications and contracts, where accuracy may be a matter of vital importance, reference to a Standard Name in the Nomenclature should eliminate all risk of misunderstanding on either side. It is essential that the *Standard Name* should be quoted and not the number, as the numbers will of necessity be liable to alteration with the insertion of new items in succeeding editions of the Nomenclature.

The Institution is indebted to the Empire Forestry Association for placing at its disposal the list of trade names of Empire timbers prepared by the Empire Forestry Conference, which has been incorporated almost without change.

The Institution also desires to acknowledge the great assistance rendered by the Forest Products Research Laboratory and the Imperial Forestry Institute in the preparation of this Nomenclature.

In order to keep abreast of progress in the industries concerned, the British Standards are subject to periodical review.

Suggestions for improvements, addressed to the British Standards Institution, 28, Victoria Street, London, S.W.1, will be welcomed at all times. They will be recorded and in due course brought to the notice of the Committees charged with the revision of the publications to which they refer.

BRITISH STANDARD

NOMENCLATURE OF HARDWOODS

(INCLUDING BOTANICAL NAMES AND SOURCES OF SUPPLY).

The Hardwoods listed under this Standard Nomenclature are from broad-leaved trees belonging to the botanical group *Angiosperms* (see B.S. 565). The term hardwood has no reference to physical hardness. A few softwoods sometimes stocked by hardwood merchants will be found in B.S. 589–1935, Nomenclature of Softwoods.

The name cedar has usually been associated with scented woods irrespective of their botanical attributes, and as a result a number of cedars will be found listed both here and in B.S. 589–1935, Nomenclature of Softwoods.

NOMENCLATURE OF HARDWOODS.

Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names. Commercial or Botanical.
1	**abura**	*Mitragyna stipulosa* O. Ktze.	West Africa	—	*Mitragyna macrophylla* Hiern bahia (France and Ivory Coast) subaha (Gold Coast)
2	**afara**	*Terminalia superba* Engl. & Diels	West Africa	The plain light-coloured wood is marketed as limba clair or limba blanc, the figured heartwood as limba noir or limba bariolé.	white afara (G.B. and Nigeria) limba (Belgium and Belg. Congo) limbo (France and Fr. W. Africa) chêne-limbo (France and Fr. W. Africa) fraké (France and Fr. W. Africa) noyer du Mayombe (France and Fr. W. Africa) offram (Gold Coast)
3	†**"African walnut"**	*Lovoa klaineana* Pierre ex Sprague	West Africa	—	*" Benin walnut " (G.B.) *" Nigerian walnut " (G.B.) *" Nigerian golden walnut " (G.B.) *" Gold Coast walnut " (G.B.) dibétou (France and Fr. W. Africa) noyer d'Afrique (France and Fr. W. Africa) noyer de Gabon (France and Fr. W. Africa) apopo (Nigeria) sida (Nigeria) alona wood (U.S.A.) congowood (U.S.A.) lovoa wood (U.S.A.) *tigerwood (U.S.A.)

4	**agba**	*Gossweilerodendron balsamiferum* Harms	West Africa	—	*"pink mahogany" (G.B.) *"Nigerian cedar" (G.B.)
5	**alder**	*Alnus glutinosa* Gaertn.	Europe, including British Isles	—	black alder (G.B.)
6	**alder, grey**	*Alnus incana* Moench	Northern Europe	—	—
7	**amboyna**	*Pterocarpus indicus* Willd. and spp. ?	East Indies	—	—
8	**amyris wood**	*Amyris balsamifera* L.	West Indies, Tropical S. America	—	*"West Indian sandalwood" (G.B.) torchwood (W. Indies)
9	**angelin**	*Andira inermis* H.B. & K.	West Indies, Central America, Tropical South America	—	angelim (G.B.) *"partridge wood" (G.B.) kuraru (B. Guiana) red cabbage bark (B. Honduras) cabbage bark (U.S.A.)
10	**angelique**	*Dicorynia paraensis* Benth.	The Guianas, Brazil	—	basralocus (B. and Dutch Guiana)
11	**apitong**	*Dipterocarpus* spp.	Philippines	Similar timber from India, including the Andaman Islands, Burma, and from Borneo, Malaya, etc., is sold as gurjun (see No. 99) and keruing (see No. 118) respectively.	bagac (G.B. and U.S.A.)

§ The Standard Name and *not* the reference number should be quoted as the numbers will be liable to alteration with the insertion of new items in succeeding editions of the Nomenclature.

† See Foreword, page 5. * This name is misleading and its use should be discontinued.

Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names. Commercial or Botanical.
12	**apple**	*Malus pumila* Mill.	Europe, including British Isles, U.S.A.	—	*Pyrus malus* L. *Malus communis* DC.
13	**ash**	*Fraxinus excelsior* L.	Europe, including British Isles, India	The name olive ash is applied to a variegated form of brown-hearted ash.	Danish ash (G.B.) English ash (G.B.) French ash (G.B.) Hungarian ash (G.B.) Polish ash (G.B.) Spanish ash (G.B.) Swedish ash (G.B.)
14	**ash, American**	Principally *Fraxinus americana* L. *F. pennsylvanica* var. *lanceolata* Sarg. *F. nigra* Marsh.	Canada and U.S.A.	98 per cent of American ash is the product of these three species. There are others of minor importance. All the species concerned are collectively sold as ash. The trade name white ash refers to timber of all species other than *F. nigra* (black ash or brown ash).	Canadian ash (G.B.)
15	**ash, Japanese**	*Fraxinus mandshurica* Rupr.	Japan	See remarks under No. 209.	Manchurian ash (G.B.) tamo (Japan)

16	**aspen**	*Populus tremula* L.	Europe, including British Isles	—	European aspen (G.B.)
17	**aspen, Canadian**	*Populus tremuloides* Michx.	Canada and Eastern U.S.A.	—	white poplar (Canada) aspen (U.S.A.)
18	†**"Australian white ash"**	*Eucalyptus fraxinoides* Deane & Maid.	Australia	—	—
19	**avodiré**	*Turraeanthus africanus* Pellegr.	Gold Coast, Ivory Coast, Angola	—	olon (G.B.) appayia (Gold Coast) apeya (Gold Coast)
20	**axle-wood**	*Anogeissus latifolia* Wall.	India	—	—
21	**ayan**	*Distemonanthus benthamianus* Baill.	West Africa	—	*"Nigerian satinwood" (G.B.) *"Nigerian yellow satinwood" (G.B.) movingui (France and Ivory Coast) anyaran (Nigeria) anyan (Nigeria) ayanran (Nigeria)
22	**balsa**	*Ochroma* spp.	West Indies, Central America, Tropical South America	—	polak (B. Honduras)
23	**banak**	*Virola koschnyi* Warb.	Central America, including British Honduras	—	*Virola merendonis* Pitt. sangre palo (B. Honduras) palo de sangre (B. Honduras) tapsava (U.S.A.)

§ See footnote on p. 9. † See Foreword, p. 5. * This name is misleading and its use should be discontinued.

No. 881—1939.

Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names. Commercial or Botanical.
24	basswood	*Tilia glabra* Vent. and other species of *Tilia*	Canada and Eastern U.S.A.	—	*Tilia americana* L. American lime (G.B.)
25	beech	*Fagus sylvatica* L.	Europe, including British Isles	—	Carpathian beech (G.B.) Danish beech (G.B.) French beech (G.B.) Slavonian beech (G.B.) etc.
26	beech, hard	*Nothofagus truncata* Cockne.	New Zealand	—	clinker beech (N. Zealand)
27	beech, North American	*Fagus grandifolia* Ehrh.	Canada and Eastern U.S.A.	—	American beech (G.B.)
28	beech, red	*Nothofagus fusca* Oerst.	New Zealand	—	tawhai (N. Zealand)
29	beech, Southland	*Nothofagus menziesii* Oerst.	New Zealand	—	silver beech (N. Zealand)
30	belian	*Eusideroxylon zwageri* Teijsm. & Binn.	East Indies, including North Borneo and Sarawak	—	billian (G.B.) Borneo ironwood (G.B.)

31	**birch**	(1) *Betula pendula* Roth (2) *Betula pubescens* Ehrh.	Europe, including British Isles	Karelian birch, masur birch, and flame or ice birch are special figured varieties.	1. *Betula verrucosa* Ehrh. *Betula alba* L. (partly) 2. *Betula alba* L. (partly) *Betula odorata* Bechst. 1 & 2. silver birch (G.B.) *white birch (G.B.)
32	**birch, Canadian yellow**	Principally *Betula lutea* Michx.	Canada, Newfoundland and Eastern U.S.A.	Curly grained and strongly figured varieties of this species are referred to in Great Britain as Canadian silky wood. Sapwood is referred to as white birch and sometimes confused with No. 33 (paper birch). Heartwood is referred to as red birch. Sweet birch (*Betula lenta* L.) may be included in commercial consignments.	American birch (in part) (G.B.) Quebec birch (G.B.) black birch (Canada) curly birch (Canada) gold birch (Canada) hard birch (Canada) betula wood (Canada) yellow birch (U.S.A.)
33	**birch, paper**	*Betula papyrifera* Marsh.	Canada and Eastern U.S.A.	—	American birch (in part) (G.B.) American white birch (G.B.) Canadian white birch (G.B.)
34	**black bean**	*Castanospermum australe* A. Cunn.	Australia	—	*"Moreton Bay chestnut" (Australia)

§ See footnote on p. 9.

* This name is misleading and its use should be discontinued.

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Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names. Commercial or Botanical.
35	**blackbutt**	*Eucalyptus pilularis* Sm.	Australia	—	—
36	**blackwood, African**	*Dalbergia melanoxylon* Guill. & Perr.	East Africa	See Nos. 197—199	*" Mozambique ebony " (G.B.)
37	**blackwood, Australian**	*Acacia melanoxylon* R. Br.	Australia	—	—
38	**bombway, white**	*Terminalia procera* Roxb.	India (Andaman Islands only)	—	badam (India)
39	**box**	*Buxus sempervirens* L.	Europe, including British Isles, Asia Minor, Western Asia	—	boxwood (G.B.) Abassian box (G.B.) European box (G.B.) Iranian or Persian box (G.B) Turkey box (G.B.)
40	**box, Cape**	*Buxus macowani* Oliv.	South Africa	—	East London boxwood (G.B.)
41	**boxwood, Ceylon**	*Canthium dicoccum* Merr.	India, Burma, Ceylon	—	*Canthium didymum* Roxb.

42	**boxwood, Maracaibo**	*Gossypiospermum praecox* P. Wils.	Venezuela	Shipped *via* Curaçao; hence the name West Indian boxwood	*Casearia praecox* Griseb. Venezuelan boxwood (G.B.) *West Indian boxwood (G.B.) zapatero (G.B.)
43	**boxwood, San Domingo**	*Phyllostylon brasiliensis* Cap.	West Indies, Mexico, South America	—	—
44	**brazilwood**	*Caesalpinia echinata* Lam.	Brazil	—	Bahia wood (G.B.) Para wood (G.B.) Pernambuco wood (G.B.)
45	**brush box**	*Tristania conferta* R. Br.	Australia	—	—
46	**bubinga**	*Copaifera arnoldiana* Th. & H. Dur., *C. demeusei* Harms and *C. tessmannii* Harms	West Africa	In practice bubinga generally refers to sliced veneer and kévazingo to rotary cut veneer of this timber.	kévazingo (G.B. and France)
47	**butternut**	*Juglans cinerea* L.	Canada and Eastern U.S.A.	—	*white walnut (G.B., Canada, U.S.A.)
48	**cabbage-bark, black**	*Lonchocarpus castilloi* Standl.	Central America	—	—
49	**camphor, East African**	*Ocotea usambarensis* Engl. and *O. viridis* Kosterm.	Kenya, Tanganyika	—	*Ocotea gardneri* Hutch. & Moss (non Mez).

§ See footnote on p. 9.

* This name is misleading and its use should be discontinued.

Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names, Commercial or Botanical.
50	**camphorwood, Borneo**	*Dryobalanops* spp., including *D. aromatica* Gaertn. f., *D. lanceolata* Burk. and other similar species	N. Borneo, Sarawak, Malaya, Sumatra	—	kapur (G.B.) kapor (G.B.)
51	**canarium**	*Canarium schweinfurthii* Engl.	West and East Africa	—	aieli (France) aiélé (France)
52	**canary whitewood**	*Liriodendron tulipifera* L.	Eastern U.S.A. and Canada.	—	American whitewood (G.B.) canary wood (G.B.) tulip tree (G.B.) *" poplar " (U.S.A.) *" tulip poplar " (U.S.A.) whitewood (U.S.A.) *" yellow poplar " (U.S.A.)
53	**canella**	Various species of *Lauraceae*	Brazil	—	—
54	**catalpa**	*Catalpa speciosa* Ward.	U.S.A.	—	hardy catalpa (U.S.A.)

55	**cedar, Central American**	Principally *Cedrela mexicana* Roem.	Central America and West Indies	See No. 56 and No. 226. See also B.S. 589, Nomenclature of Soft-woods.	cedar (G.B.) cigar-box cedar (G.B.) British Honduras cedar (G.B.) Honduras cedar (G.B.) Mexican cedar (G.B.) Nicaraguan cedar (G.B.) Spanish cedar (G.B.) Tabasco cedar (G.B.) Trinidad cedar (G.B.) West Indian cedar (G.B.)
56	**cedar, South American**	*Cedrela* spp., including *C. odorata* L., *C. fissilis* Vell., *C. herreræ* Harms, etc.	Tropical South America	See No. 55 and No. 226. See also B.S. 589, Nomenclature of Soft-woods.	Brazilian cedar (G.B.) British Guiana cedar (G.B.) Peruvian cedar (G.B.) Spanish cedar (U.S.A.)
57	**ceiba**	1. *Ceiba pentandra* Gaertn. 2. *Ceiba occidentalis* Burk.	Old world Tropical America	— —	1. *Eriodendron anfractuosum* DC. silk cotton (Africa, etc.) 2. *"Honduras cottonwood" (B. Honduras)
58	**cherry**	*Prunus avium* L.	Europe, including British Isles	—	European cherry (G.B.) gean (G.B.) mazzard (G.B.) wild cherry (G.B.)
59	**cherry, American black**	*Prunus serotina* Ehrh.	Canada and Eastern U.S.A.	—	American cherry (G.B.) cabinet cherry (U.S.A.)
60	**chestnut, American**	*Castanea dentata* Borkh.	U.S.A.	—	—

§ See footnote on p. 9.

* This name is misleading and its use should be discontinued.

Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names, Commercial or Botanical.
61	**chestnut, sweet**	*Castanea sativa* Mill.	Europe, including British Isles	—	*Castanea vesca* Gaertn. Spanish chestnut (G.B.)
62	**chickrassy**	*Chukrasia tabularis* A. Juss.	Burma, India	—	Chittagong wood (G.B.) yinma (Burma)
63	**chuglam, white**	*Terminalia bialata* Steud.	India (Andaman Islands only)	The light-coloured heartwood is known as white chuglam, and the darker heartwood, which is usually figured, is marketed as a separate timber, Indian silver grey wood. See No. 214.	—
64	**coachwood**	*Ceratopetalum apetalum* D. Don	Australia	—	*" scented satinwood " (Australia)
65	**cocobolo**	*Dalbergia retusa* Hemsl. and allied spp.	Central America	See Nos. 197–199.	—
66	**cocus**	*Brya ebenus* DC.	Jamaica, Cuba	—	cocos (G.B.) *" brown ebony " (U.S.A.) granadillo (U.S.A.) *" green ebony " (U.S.A.) *" Jamaica ebony " (U.S.A.)

67	copalwood, Rhodesian	*Copaifera coleosperma* Benth.	Rhodesia	—	*" Rhodesian mahogany " (S. Rhodesia)
68	cornel, Turkish	*Cornus* sp.	Asia Minor	—	stonewood (G.B.)
69	cottonwood	*Populus deltoides* var. *monilifera* Henry	Eastern Canada and U.S.A.	—	*Populus balsamifera* Auct. *Populus monilifera* Ait. eastern cottonwood (Canada, U.S.A.)
70	cottonwood, black	*Populus trichocarpa* Torr. & Gray	British Columbia	—	balm cottonwood (B.C.) balsam cottonwood (B.C.) western balm cottonwood (B.C.)
71	courbaril	*Hymenaea courbaril* L.	West Indies and Tropical America.	—	West Indian locust (G.B.)
72	crabwood	*Carapa guianensis* Aubl.	West Indies, Tropical South America	—	andiroba (G.B.) Empire andiroba (G.B.) *" Brazilian mahogany " (G.B.) *" British Guiana mahogany " (G.B.) *" Demerara mahogany " (G.B.) *" Para mahogany " (G.B.)
73	danta	*Cistanthera papaverifera* A. Chev.	West Africa	—	—
74	degame	*Calycophyllum candidissimum* DC.	Cuba, Central America, Tropical South America	—	*" degame lancewood " (G.B.) lemonwood (U.S.A.)

§ See footnote on p. 9.

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Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names, Commercial or Botanical.
75	**dhup**	*Canarium euphyllum* Kurz	India (Andaman Islands only)	—	*" Indian white mahogany " (G.B.) white dhup (India)
76	**dogwood**	*Cornus florida* L.	U.S.A.	—	cornel (G.B. and U.S.A.)
77	**ebony**	*Diospyros ebenum* Koen.	Ceylon, India	Other spp. of *Diospyros* from various parts of the tropics may furnish ebony. The names coromandel and calamander wood refer to variegated ebony with black and yellow striped markings. (See also No. 145.)	Ceylon ebony (G.B.) East Indian ebony (G.B.)
78	**ebony, African**	*Diospyros* spp., including : (1) *D. crassiflora* Hiern (2) *D. mespiliformis* Hochst. (3) *D. piscatorius* Gürke	West and East Africa		—
79	**ebony, Macassar**	*Diospyros macassar* A. Chev.	Celebes	—	*Diospyros utilis* Koord. et Val.

80	ekki	*Lophira alata* var. *procera* Burtt Davy	West Africa	—	*Lophira procera* A. Chev. *red ironwood (B.W. Africa) bongossi (Cameroons) azobé (France and Fr. W. Africa) kaku (Gold Coast) eba (Nigeria)
81	elm	*Ulmus procera* Salisb.	British Isles	English, Dutch and wych elm are the principal home-grown species. Other species and hybrids are common in certain localities.	*Ulmus campestris* L. (in part) English elm (G.B.) red elm (G.B.) nave elm (G.B.)
82	elm, Dutch	*Ulmus hollandica* var. *major* Rehd.	British Isles		*Ulmus major* Sm. *cork bark elm (G.B.)
83	elm, Japanese	*Ulmus* spp.	Japan	—	—
84	elm, rock	*Ulmus thomasi* Sarg.	Eastern Canada and U.S.A.	—	*Ulmus racemosa* Thom. Canadian rock elm (G.B.) *white elm (Canada) cork elm (Canada and U.S.A.) cork bark elm (U.S.A.) hickory elm (U.S.A.)
85	elm, white	*Ulmus americana* L.	Eastern Canada and U.S.A.	—	American elm (in part) (G.B.) orhamwood (Canada) *grey elm (U.S.A.) soft elm (U.S.A.) *swamp elm (U.S.A.) *water elm (U.S.A.)

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Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names, Commercial or Botanical.
86	elm, wych	*Ulmus glabra* Huds. (non Mill.)	British Isles	See Nos. 81 and 82	*Ulmus montana* Stokes mountain elm (G.B.) Scotch elm (G.B.) *white elm (G.B.) *wych hazel (G.B.)
87	eng	*Dipterocarpus tuberculatus* Roxb.	Burma	A small proportion of *D. obtusifolius* Teijsm. is included in commercial consignments.	in (Burma)
88	gaboon	*Aucoumea klaineana* Pierre	French Equatorial Africa, Spanish Guinea	—	*" Gaboon mahogany " (G.B.) Gaboon wood (G.B.) okoumé (France)
89	gamari	*Gmelina arborea* Roxb.	Burma, India	—	yemane (Burma) gumhar (India) shiwan (India)
90	gardenia	*Gardenia latifolia* Ait.	India	—	Indian boxwood (G.B.)

91	**gedu nohor**	*Entandrophragma angolense* C.DC. and its varieties	West and East Africa	Occasional logs of *Entandrophragma candollei* Harms may be included.	Other botanical names for varieties include *Entandrophragma macrophyllum* Harms *E. septentrionale* A. Chev. *E. rederi* Harms *" brown mahogany " (G.B. and Nigeria) *" jebu mahogany " (G.B. and Nigeria) " budongo mahogany " (Uganda) gedu lohor (Nigeria) gedu noha (Nigeria) tiama (France and Ivory Coast)
92	**greenheart**	*Ocotea rodiei* Mez	British Guiana	—	*Nectandra rodiaei* Schomb.
93	**guarea**	*Guarea thompsonii* Sprague & Hutch.	West Africa		*" Nigerian pearwood " (G.B.) black guarea (Nigeria) obobonekwi (Nigeria) *" Nigerian cedar " (Nigeria) *" cedar mahogany " (B.W. Africa)
94	**guarea, scented**	*Guarea cedrata* Pellegr.	West Africa	—	*" Nigerian pearwood " (G.B.) bossé (France and Ivory Coast) white guarea (Nigeria) obobonufua (Nigeria) *" Nigerian cedar " (Nigeria) *" cedar mahogany " (B.W. Africa)
95	**gum, American red**	*Liquidambar styraciflua* L.	South Eastern U.S.A.	Special classifications of this timber are: hazel pine or sap gum (sapwood), satin walnut (heartwood).	*" satin walnut " (heartwood) (G.B.) *" hazel pine " (sapwood) (G.B.) bilsted (U.S.A.) red gum (heartwood) (U.S.A.) *sap gum (sapwood) (U.S.A.) sweet gum (U.S.A.) yellow gum (U.S.A.)

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96	**gum, black**	*Nyssa sylvatica* Marsh.	U.S.A.	Tupelo (*N. aquatica* L.) may be included in commercial shipments. (See No. 229.)	—
97	**gum, blue**	*Eucalyptus globulus* Labill. and *E. bicostata* Maiden, Blakely & Simmonds	Australia	—	southern blue gum (Australia)
98	**gum, spotted**	*Eucalyptus maculata* Hook. and *E. citriodora* Hook.	Australia	—	—
99	**gurjun**	*Dipterocarpus* spp.	India (including Andaman Islands), Burma, Ceylon, Indo-China, Siam	Similar timbers from Borneo, Malaya, etc., and from the Philippines are sold as keruing (see No. 118) and apitong (see No. 11) respectively.	hollong (Assam) kanyin (Burma) hora (Ceylon) yang, maiyang (Siam)
100	**haldu**	*Adina cordifolia* Benth. & Hook. ex Brandis	Burma, India	—	hnaw (Burma)

101	hickory	1. *Carya glabra* Sweet 2. *Carya alba* K. Koch 3. *Carya laciniosa* Loud. 4. *Carya ovata* K. Koch	S.E. Canada and Eastern U.S.A.	The terms "white" and "red" refer to sapwood and heartwood respectively. The various botanical species are not differentiated in practice. Hickory exported from Canada usually includes species 1 and 4.	1. *Carya porcina* Nutt. *Hicoria glabra* Brit. pignut hickory (U.S.A.) 2. *Carya tomentosa* Nutt. *Hicoria alba* Brit. mockernut hickory (U.S.A.) 3. *Carya sulcata* Nutt. *Hicoria laciniosa* Sarg. bigleaf shagbark hickory (U.S.A.) 4. *Carya alba* Nutt. *Hicoria ovata* Brit. shagbark hickory (U.S.A.)
102	hickory, pecan	Principally 1. *Carya pecan* Engl. & Graebn. 2. *Carya aquatica* Nutt.	U.S.A.	Cf. No. 101.	1. *Hicora pecan* Brit. pecan (U.S.A.) 2. *Hicoria aquatica* Brit. bitter pecan (U.S.A.) water hickory (U.S.A.)
103	holly	*Ilex aquifolium* L.	British Isles	—	European holly (G.B.)
104	holly, American	*Ilex opaca* Ait.	Eastern U.S.A.	—	—
105	hop-hornbeam, American	*Ostrya virginiana* K. Koch	Canada and U.S.A.	—	ironwood (Canada and U.S.A.)
106	hop-hornbeam, European	*Ostrya carpinifolia* Scop.	Southern Europe and Asia Minor	—	—
107	hornbeam	*Carpinus betulus* L.	Europe, including British Isles	—	—
108	horse-chestnut	*Aesculus hippocastanum* L.	British Isles	—	—

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Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names. Commercial or Botanical.
109	horse-chestnut, Japanese	*Aesculus turbinata* Bl.	Japan	—	—
110	idigbo	*Terminalia ivorensis* A. Chev.	West Africa	—	black afara (G.B. and Nigeria) framiré (France and Ivory Coast) emri (Gold Coast)
111	imbuya	*Phoebe porosa* Mez	Brazil	—	*" Brazilian walnut " (G.B. and U.S.A.) embuia (Brazil)
112	iroko	*Chlorophora excelsa* Benth. & Hook. f.	West and East Africa	—	*" African teak " (G.B.) kambala (Belg. Congo and Fr. W. Africa) odum (Gold Coast) mvule (Uganda)
113	ironbark	1. *Eucalyptus crebra* F. Muell. 2. *E. paniculata* Sm. 3. *E. siderophloia* Benth. 4. *E. sideroxylon* A. Cunn. 5. *E. fergusoni* R. T. Bak.	Australia	—	1. red ironbark, narrow-leaved ironbark (Australia) 2. grey ironbark (Australia) 3. red ironbark, broad-leaved ironbark (Australia) 4. red ironbark (Australia) 5. grey ironbark (Australia)
114	jarrah	*Eucalyptus marginata* Sm.	Western Australia	—	—

115	**jelutong**	*Dyera costulata* Hook. f.	Malaya	—	—
116	**kamassi**	*Gonioma kamassi* E. Mey.	South Africa		*Cape boxwood (G.B.) kamassi boxwood (G.B.) Knysna boxwood (G.B.)
117	**karri**	*Eucalyptus diversicolor* F. Muell.	Western Australia	—	—
118	**keruing**	*Dipterocarpus* spp.	North Borneo, Sarawak, Malaya and East Indies	See Note to No. 99.	kruen (N. Borneo) keroeing (Netherlands Indies) keroewing (Netherlands Indies)
119	**kingwood**	*Dalbergia* (species uncertain)	Brazil	See Nos. 197—199 and 227.	violetta (U.S.A.) violet wood (U.S.A.)
120	**kokko**	*Albizzia lebbeck* Benth.	India (including Andaman Islands), Burma	—	koko (G.B.) *"East Indian walnut" (G.B.) siris (India)

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Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names, Commercial or Botanical.
121	laburnum	*Laburnum anagyroides* Medic.	British Isles	—	*Laburnum vulgare* Presl
122	lancewood	*Oxandra lanceolata* Baill.	West Indies	—	asta (U.S.A.)
123	lauan, red	*Shorea* spp.	Philippines	Similar timber from North Borneo and from Malaya and Sarawak is sold as red seraya (see No. 211) and red meranti (see No. 146) respectively.	dark red lauan (G.B.) *" Philippine mahogany " (G.B.) (Individual species of this group are known in the Philippines and in G.B. as red lauan proper, tanguile or " tanguile mahogany", bataan or " bataan mahogany", tiaong and mayapis. See also No. 124.)
124	lauan, white	*Shorea* spp. *Parashorea* spp. *Pentacme* spp.	Philippines	Similar timber from North Borneo and from Malaya and Sarawak is sold as white seraya (see No. 212) and yellow meranti (see No. 147) respectively.	lamao (G.B.) light red lauan (G.B.) *" Philippine white mahogany " (G.B.) (Individual species of this group are known in the Philippines and in G.B. as white lauan proper, mindanao white lauan, bagtikan, almon, kalunti and mayapis. See also No. 123.)

125	laurel, Indian	1. *Terminalia alata* Roth 2. *Terminalia crenulata* Roth 3. *Terminalia coriacea* W. & A.	Burma, India	Formerly regarded as a single species, *Terminalia tomentosa* (W. & A.) There is some evidence that only *Terminalia crenulata* furnishes figured laurel.	taukkyan (Burma) asna (India) mutti (India) sain (India)
126	lignum vitae	*Guaiacum* spp., principally *G. officinale* L.	West Indies and Tropical America	Verawood or Maracaibo lignum vitae from Venezuela is the product of *Bulnesia arborea* Engl.	The principal commercial varieties are: Cuban, Jamaican, San Domingan and Porto Rico (principally *G. officinale* L. or thin-sap lignum vitae); Bahamas (*G. sanctum* L. or thick-sap lignum vitae); Mexican and Nicaraguan (species uncertain).
127	lime	*Tilia vulgaris* Hayne	Europe, including the British Isles	—	*T. cordata* Mill. × *T. platyphyllos* Scop. European lime (G.B.)
128	lunumidella	*Melia composita* Willd.	Ceylon	—	*" Ceylon cedar " (G.B.) *" Ceylon mahogany " (G.B.)
129	magnolia	*Magnolia* spp., principally: 1. *M. acuminata* L. 2. *M. grandiflora* L. 3. *M. virginiana* L.	U.S.A.	—	1. southern whitewood (G.B.) cucumber (U.S.A.) cucumber magnolia (U.S.A.) 2. southern whitewood (G.B.) evergreen magnolia (U.S.A.) 3. southern whitewood (G.B.) sweet bay (U.S.A.)

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130	**mahogany, African**	1. *Khaya ivorensis* A. Chev.	West Africa	*Khaya ivorensis* furnishes most of the commercial West African mahogany.	1. Accra mahogany (G.B.) Axim mahogany (G.B.) Benin mahogany (chiefly) (G.B.) Cape Lopez mahogany (G.B.) Duala mahogany (in part) (G.B.) Gold Coast mahogany (G.B.) Grand Bassam mahogany (G.B.) Grand Lahou mahogany (G.B.) Half-Assinie mahogany (G.B.) Ivory Coast mahogany (G.B.) Lagos mahogany (chiefly) (G.B.) Libreville mahogany (G.B.) Mungo River mahogany (in part) (G.B.) Nigerian mahogany (G.B.) Ondo mahogany (in part) (G.B.) Sekondi mahogany (in part) (G.B.) Takoradi mahogany (in part) (G.B.) acajou d'Afrique (France) acajou de Bassam (France) khaya (U.S.A.)
		2. *Khaya grandifoliola* C. DC.	West Africa	—	2. Benin, Lagos & Ondo mahoganies (in part) (G.B.) khaya (U.S.A.)

		3. *Khaya anthotheca* C. DC.	West and East Africa	—	3. Duala mahogany (in part) (G.B.) Mungo River mahogany (in part) (G.B.) Sassandra mahogany (G.B.) Uganda mahogany (G.B.) *white mahogany (B.W. Africa) mangona (Cameroons) krala (France and Ivory Coast) acajou krala (France and Ivory Coast) acajou blanc (France and Ivory Coast) munyama (Uganda) khaya (U.S.A.)
131	mahogany, Australian	*Dysoxylum fraseranum* Benth.	Australia	—	rose mahogany (Australia) *" rosewood " (Australia)
132	mahogany, Brazilian	1. *Swietenia macrophylla* King ? 2. *Swietenia krukovii* Gleas. & Pansh.?	Brazil	The exact botanical identity of Brazilian mahogany is doubtful.	aguano (Brazil)
133	mahogany, Central American	*Swietenia macrophylla* King	Central America	*Swietenia humilis* Zucc. may furnish a small proportion of Mexican mahogany imported into the United Kingdom.	British Honduras mahogany (G.B.) Costa Rica mahogany (G.B.) Guatemalan mahogany (G.B.) Honduras mahogany (G.B.) Mexican mahogany (G.B.) Nicaraguan mahogany (G.B.) Panama mahogany (G.B.) Tabasco mahogany (G.B.) baywood (G.B.)

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Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names, Commercial or Botanical.
134	mahogany, Cuban	*Swietenia mahagoni* Jacq.	West Indies	—	Jamaica mahogany (G.B.) Porto Rico mahogany (G.B.) San Domingo mahogany (G.B.) Spanish mahogany (G.B.) West Indian mahogany (G.B.)
135	mahogany, Peruvian	1. *Swietenia macrophylla* King ? *Swietenia tessmannii* Harms ?	Peru	The exact botanical identity of Peruvian mahogany is doubtful.	aguano (Peru) caoba (Peru)
136	mahogany, Venezuelan	*Swietenia candollei* Pitt.	Venezuela	—	—
137	maidu	*Pterocarpus pedatus* Pierre	Indo-China	—	false amboyna (G.B.) mai dou (Indo-China)
138	makoré	*Mimusops heckelii* Hutch. & Dalz.	West Africa	—	*Dumoria heckelii* A. Chev. *" cherry mahogany " (G.B.)
139	mansonia	*Mansonia altissima* A. Chev.	West Africa	—	aprono (Gold Coast) ofun (Nigeria)

140	maple	*Acer campestre* L.	British Isles	—	field maple (G.B.)
141	maple, Norway	*Acer platanoides* L.	Europe, including British Isles	—	European maple (G.B.) Bosnian maple (G.B.)
142	maple, Pacific	*Acer macrophyllum* Pursh	Pacific coast of Canada and U.S.A.	Quilted maple is a strongly figured form.	bigleaf maple (U.S.A.) broadleaved maple (U.S.A.) Oregon maple (U.S.A.)
143	maple, rock	Principally *Acer saccharum* Marsh.	Canada and Eastern U.S.A.	Figured forms are known as fiddle-back maple, bird's-eye maple, blister maple, curly maple. Black maple (*A. nigrum* Michx.) is sometimes included.	hard maple (G.B.) sugar maple (Canada) white maple (sapwood) (U.S.A.)
144	maple, soft	1. *Acer saccharinum* L. 2. *Acer rubrum* L.	Canada and Eastern U.S.A.	—	*Acer dasycarpum* Ehrh. 1.*river maple (Canada and U.S.A.) silver maple (Canada and U.S.A.) *swamp maple (Canada and U.S.A.) *water maple (Canada and U.S.A.) 2. red maple (Canada and U.S.A.)
145	marblewood, Andaman	*Diospyros marmorata* Park.	India (Andaman islands only)	—	*zebrawood (G.B.)

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Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names, Commercial or Botanical.
146	**meranti, red**	*Shorea* spp., including: 1. *S. acuminata* Dyer 2. *S. eximia* Scheff. 3. *S. leprosula* Miq. 4. *S. dasyphylla* Foxw. 5. *S. parvifolia* Dyer, and other similar species	Malaya, Sarawak	Similar timber from North Borneo and from the Philippines is sold as red seraya (see No. 211) and red lauan (see No. 123) respectively. (See also No. 157.)	meranti (Malaya) seraya (Malaya) perawan (Sarawak)
147	**meranti, yellow**	*Shorea* spp., including: *S. bracteolata* Dyer, and other similar species	Malaya, Sarawak	Similar timber from North Borneo and from the Philippines is sold as white seraya (see No. 212) and white lauan (see No. 124) respectively.	white meranti (G.B.)
148	**merbau**	*Intsia bakeri* Prain	Malaya, North Borneo, Sarawak and East Indies	—	*Afzelia palembanica* Baker *" Borneo teak " (G.B.)

149	mersawa	*Anisoptera* spp., including *A. costata* Korth.	Malaya	—	—
150	mora	*Mora excelsa* Benth.	The Guianas, Trinidad	—	*Dimorphandra mora* Benth. et Hook. f.
151	mugongo	*Ricinodendron rautanenii* Schinz	S. Tropical Africa, Rhodesia, Bechuanaland Protectorate.	—	mgongo (Rhodesia) mungongo (Bechuanaland Protectorate)
152	muhimbi	*Cynometra alexandri* C. H. Wright.	Uganda	—	muhindi (Uganda) mungongo (Bechuanaland Protectorate)
153	muninga	*Pterocarpus angolensis* DC.	Rhodesia, South Africa, Tanganyika, Angola, Mozambique	—	bloodwood (Rhodesia) kajat (South Africa) kajatenhout (South Africa) maninga (Tanganyika) mninga (Tanganyika)
154	myrtle, Pacific	*Umbellularia californica* Nutt.	U.S.A. (Pacific coast)	—	*"Californian laurel" (U.S.A.) *myrtle (U.S.A.) Oregon myrtle (U.S.A.)
155	myrtle, Tasmanian	*Nothofagus cunninghamii* Oerst.	Australia and Tasmania	See Nos. 26, 28 and 29.	myrtle beech (Australia) *myrtle (Australia) *Tasmanian beech (Australia)

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156	nargusta	*Terminalia amazonia* Exell	British Honduras and Trinidad	—	*Terminalia obovata* Steud. white olivier (Trinidad)
157	nemesu	*Shorea* spp., principally *S. pauciflora* King	Malaya	Similar timber from North Borneo is sold as oba suluk (see No. 165. See also No. 146)	dark red meranti (G.B.)
158	†"New Guinea walnut"	*Dracontomelum* spp.	New Guinea	See also No. 173.	*"Pacific walnut" (G.B.) *"Papuan walnut" (G.B.) loup or lup (New Guinea)
159	oak	1. *Quercus robur* L. 2. *Quercus petraea* Liebl.	Europe, including British Isles	Hybrids between these two species are common. Oak imported from the various European countries (*e.g.*, Polish oak) may be either one or both of these two species.	1. *Quercus pedunculata* Ehrh. English oak (in part) (G.B.) pedunculate oak (G.B.) 2. *Quercus sessiliflora* Salisb. English oak (in part) (G.B.) sessile oak (G.B.) durmast oak (G.B.) 1 & 2. Austrian oak (G.B.) Polish Oak (G.B.) Slavonian oak, etc. (G.B.)

160	**oak, American red**	*Quercus* spp., principally: 1. *Q. borealis* Michx.f. and *Q. borealis* var. *maxima* Sarg. 2. *Q. rubra* L. 3. *Q. rubra* var. *pagodaefolia* Ashe 4. *Q. shumardii* Buckl.	Eastern Canada and U.S.A.	—	1. *Q. rubra* Duroi, (non L.) **true red oak, northern red oak (U.S.A.)** 2. *Q. falcata* Michx. **southern red oak (U.S.A.)** Spanish oak (U.S.A.) 3. **swamp red oak (U.S.A.)** swamp Spanish oak (U.S.A.) 4. shumard red oak (U.S.A.)
161	**oak, American white**	*Quercus* spp., principally: 1. *Q. alba* L. 2. *Q. montana* Willd. 3. *Q. lyrata* Walt. 4. *Q. prinus* L.	Eastern Canada and U.S.A.	—	1. true white oak (U.S.A.) 2. chestnut oak (U.S.A.) 3. overcup oak (U.S.A.) 4. swamp chestnut oak (U.S.A.)
162	**oak, evergreen**	*Quercus ilex* L.	Europe, including British Isles	—	holm oak (G.B.)
163	**oak, Japanese**	Principally *Quercus mongolica* var. *grosseserrata* Rehd. & Wils.	Japan	—	*Quercus crispula* Bl. *Q. grosseserrata* Bl.

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Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names, Commercial or Botanical.
164	oak, Turkey	*Quercus cerris* L.	Europe, including British Isles	—	—
165	oba suluk	*Shorea* spp., principally *S. pauciflora* King	North Borneo	Similar timber from Malaya is sold as nemesu (see No. 157).	*" Borneo mahogany " (in part) (G.B.) (see No. 211)
166	obeche	*Triplochiton scleroxylon* K. Schum.	West Africa	—	*Triplochiton johnsonii* C. H. Wright. African whitewood (G.B.) ayous (France and Cameroons) samba (France and Ivory Coast) wawa (Gold Coast) arere (Nigeria)
167	odoko	*Scottellia coriacea* A. Chev.	West Africa	—	—
168	okan	*Cylicodiscus gabunensis* Harms	West Africa	—	denya (Gold Coast)
169	olive, East African	*Olea hochstetteri* Bak.	Kenya, Abyssinia	—	musheragi (Kenya)

170	opepe	*Sarcocephalus diderrichii* De Wild.	Tropical Africa	—	badi (France and Ivory Coast) bilinga (France and Fr. W. Africa) kusiaba (Gold Coast) kussia (Gold Coast)
171	padauk, Andaman	*Pterocarpus dalbergioides* Roxb.	India (Andaman Islands only)	—	padauk (G.B.) Andaman redwood (U.S.A.) *"East Indian mahogany" (U.S.A.) vermilion wood (U.S.A.)
172	padauk, Burma	*Pterocarpus macrocarpus* Kurz	Burma	—	—
173	paldao	*Dracontomelum dao* Merr. & Rolfe	Philippines	See also No. 158.	dao (Philippines)
174	palu	*Mimusops hexandra* Roxb.	Ceylon, India	—	—
175	partridge wood	*Caesalpinia granadillo* Pitt. and allied species	Venezuela	—	granadillo (G.B.) *"brown ebony" (G.B.) (U.S.A.)
176	pear	*Pyrus communis* L.	Europe, including British Isles	—	—

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177	peroba	*Paratecoma peroba* Kuhlm.	Brazil	Not to be confused with peroba rosa (*Aspidosperma* spp., chiefly *A. polyneuron* Muell.-Arg.).	white peroba (G.B.) ipe peroba (Brazil) peroba amarella (Brazil) peroba branca (Brazil) peroba de campos (Brazil)
178	persimmon	*Diospyros virginiana* L.	U.S.A.	—	—
179	plane, American	*Platanus occidentalis* L.	U.S.A.	—	buttonwood (U.S.A.) *"sycamore" (U.S.A.)
180	plane, London	× *Platanus acerifolia* Willd.	British Isles	—	*Platanus orientalis* L. × *P. occidentalis* L. lacewood (G.B.)
181	poon	*Calophyllum tomentosum* Wight	India	—	—
182	poplar, black	*Populus nigra* L.	British Isles	See No. 183.	—
183	poplar, black Italian	× *Populus serotina* Hartig	British Isles	—	black poplar (in part) (G.B.)

184	poplar, Canadian	1. *Populus tacamahaca* Mill. 2. *Populus grandidentata* Michx.	Canada and U.S.A.	—	1. *Populus balsamifera* Auct. *cottonwood (Canada) balm poplar (Canada) black poplar (Canada) 2. large-toothed aspen (Canada)
185	poplar, grey	*Populus canescens* Sm.	British Isles	—	—
186	poplar, white	*Populus alba* L.	British Isles	—	abele (G.B.)
187	prima vera	*Tabebuia donnell-smithii* Rose	Mexico and Central America	—	—
188	purpleheart	*Peltogyne* spp.	Central America, Tropical South America, West Indies	—	amaranth (U.S.A.)
189	pyinkado	*Xylia dolabriformis* Benth.	Burma	—	—
190	pyinma	*Lagerstroemia speciosa* Pers.	India, Burma	—	*Lagerstroemia flos-reginae* Retz. jarul (India)
191	pyinma Andaman	*Lagerstroemia hypoleuca* Kurz	India (Andaman Islands only)	—	—

§ See footnote on p. 9.

* This name is misleading and its use should be discontinued.

Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names, Commercial or Botanical.
192	quebracho	*Schinopsis lorentzii* Engl. and *S. balansae* Engl.	Argentine and South Brazil	—	quebracho colorado (Argentine)
193	†"Queensland maple"	*Flindersia brayleyana* F. Muell. and *F. pimenteliana* F. Muell.	Australia	—	*" Australian maple " (G.B.) maple silkwood (Australia)
194	†"Queensland walnut"	*Endiandra palmerstonii* C. T. White	Australia	—	*" Australian walnut " (G.B.) walnut bean (Australia) oriental wood (U.S.A.)
195	†"Rhodesian teak"	*Baikiaea plurijuga* Harms	Rhodesia	This is not true teak.	Zambesi redwood (G.B. and Rhodesia) umgusi (Rhodesia)
196	robinia	*Robinia pseudoacacia* L.	Europe, including British Isles, U.S.A.	—	*" acacia " (G.B.) false acacia (G.B.) black locust (U.S.A.)
197	rosewood, Brazilian	*Dalbergia* spp., principally *D. nigra* Fr. All.	Brazil	For other commercial species of *Dalbergia* see index. The name	Bahia rosewood (G.B.) Rio rosewood (G.B.) jacaranda (G.B.)

198	rosewood, Honduras	*Dalbergia stevensonii* Standl.	British Honduras	palissander refers to rosewoods (*Dalbergia* spp.) generally.	—
199	rosewood, Indian	*Dalbergia latifolia* Roxb.	India, Java and East Indies		Bombay blackwood (G.B.) East Indian rosewood (G.B.)
200	sabicu	*Lysiloma latisiliqua* Benth.	West Indies, chiefly Cuba	—	*Lysiloma sabicu* Benth.
201	sandalwood	*Santalum album* L.	India	—	—
202	sapele	*Entandrophragma cylindricum* Sprague	West and East Africa	Other species of *Entandrophragma* may sometimes be shipped as sapele. See No. 91.	*" sapele mahogany " (G.B.) *" scented mahogany " (G.B.) aboudikro (France and Ivory Coast) acajou aboudikro (France and Ivory Coast) sapelli (France and Cameroons) acajou sapelli (France and Cameroons) *" cedar " (Gold Coast)
203	sapodilla	*Achras sapota* L.	Central America	—	—
204	satinay, red	*Syncarpia hillii* F. M. Bail.	Australia	—	satinay (Australia)
205	satiné	*Brosimum paraense* Hub.	Tropical America	—	*Ferolia guianensis* Aubl. satinee (G.B.) muirapiranga (Brazil) bois satiné (Fr.) satiné rubané (Fr.)

§ See footnote on p. 9. † See Foreword, p. 5. * This name is misleading and its use should be discontinued.

Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names, Commercial or Botanical.
206	**satinwood, East Indian**	*Chloroxylon swietenia* DC.	Ceylon, India	—	flowered satinwood (G.B.)
207	**satinwood, West Indian**	*Fagara flava* Krug & Urb. and possibly other species	West Indies	—	*Zanthoxylum flavum* Vahl. Jamaica satinwood (G.B.) San Dominigan satinwood (U.S.A.)
208	**selangan batu**	*Hopea* spp., *Shorea seminis* v. Sloot. and other similar species of *Shorea*	North Borneo	—	—
209	**sen**	*Acanthopanax ricinifolius* Seem.	Japan	Sometimes confused with Japanese ash (No. 15) which it closely resembles.	*Kalopanax ricinifolius* Miq.
210	**sepetir**	*Sindora* spp., principally *S. coriacea* Prain	North Borneo, Malaya, Sarawak	—	petir (Sarawak)

211	**seraya, red**	*Shorea* spp., including: *S. macroptera* Dyer *S. leprosula* Miq. *S. parvifolia* Dyer *S. faguetiana* Heim and other similar species	North Borneo	Similar timber from Malaya and Sarawak and from the Philippines is sold as red meranti (see No. 146) and as red lauan (see No. 123) respectively.	*" Borneo red cedar " (G.B.) *Borneo redwood (G.B.) *" Borneo mahogany " (in part) (G.B.) (see No. 165) seraya merah (North Borneo)
212	**seraya, white**	Principally *Parashorea malaanonan* Merr. and *P. malaanonan* var. *tomentella* Sym.	North Borneo	Similar timber from Malaya and Sarawak and from the Philippines is sold as yellow meranti (see No. 147) and as white lauan (see No. 124) respectively.	*" Borneo white cedar " (G.B.) *Borneo whitewood (G.B.) seraya puteh (North Borneo)
213	†**"silky oak"**	*Cardwellia sublimis* F. Muell.	Australia	This is not a true oak.	*" northern silky oak " (Australia)
214	**silver grey wood, Indian**	*Terminalia bialata* Steud.	India (Andaman Islands only)	The name Indian silver grey wood refers only to the darker heartwood of this species. See No. 63.	—

§ See footnote on p. 9. † See Foreword, p. 5. * This name is misleading and its use should be discontinued.

Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names. Commercial or Botanical.
215	siris, yellow	*Albizzia xanthoxylon* White & Francis	Australia	—	—
216	snakewood	*Piratinera guianensis* Aubl. and other *Piratinera* spp.	Central America and Tropical South America	—	letterwood (G.B.)
217	stringybark, yellow	*Eucalyptus acmenioides* Schau. and *E. carnea* R. T. Baker	Australia	—	*" white mahogany " (Australia)
218	sycamore	*Acer pseudoplatanus* L.	British Isles	Harewood is sycamore or maple artificially dyed grey. Sycamore in U.S.A. refers to *Platanus occidentalis* L. (see No. 179).	*" plane " (G.B.) " sycamore plane " (G.B.) great maple (G.B.)
219	tallowwood	*Eucalyptus microcorys* F. Muell.	Australia	—	—

220	†"Tasmanian oak"	1. *Eucalyptus gigantea* Hook. f. 2. *E. obliqua* L'Hérit. 3. *E. regnans* F. Muell.	Australia	"Victorian oak" is sometimes marketed as such in Great Britain.	1. *"alpine ash," *"red ash" (Australia) 2. obliqua, messmate stringybark (Australia) 3. *"Victorian oak," *"mountain ash" (Australia)
221	tawa	*Beilschmiedia tawa* Benth. & Hook. f.	New Zealand	—	—
222	teak	*Tectona grandis* L. f.	Burma, India, Indo-China, Java, Siam	This is the only true teak.	
223	thingadu	*Parashorea stellata* Kurz	Burma	—	Tavoy wood (Burma)
224	thingan	*Hopea odorata* Roxb.	India, Burma	—	—
225	thitka	*Pentace burmanica* Kurz	Burma	—	*"Burma mahogany" (G.B.)
226	toon	*Cedrela toona* Roxb.	Burma, India	See Nos. 55 and 56.	Burma cedar (G.B.) Moulmein cedar (G.B.)

§ See footnote on p. 9. † See Foreword, p. 5. * This name is misleading and its use should be discontinued.

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Ref. No. §	1 Standard Name.	2 Botanical Species.	3 Sources of Supply.	4 Remarks.	5 Other Names, Commercial or Botanical.
227	tulip wood	*Dalbergia* (species uncertain)	Brazil	Not to be confused with the wood of the tulip tree (see No. 52). See also Nos. 197—199.	pinkwood (U.S.A.)
228	tulip wood, Burma	*Dalbergia oliveri* Gamb.	Burma		tamalan (Burma)
229	tupelo	*Nyssa aquatica* L.	Southern U.S.A.	Black gum (*N. sylvatica* Marsh.) and other species of *Nyssa* may be included in commercial consignments of this species (see No. 96).	*"bay poplar" (U.S.A.) tupelo gum (U.S.A.)
230	turpentine	*Syncarpia laurifolia* Ten.	Australia	—	luster (Australia)
231	walnut	*Juglans regia* L.	Europe, including British Isles, India	—	Black Sea walnut (G.B.) Circassian walnut (G.B.) English walnut (G.B.) European walnut (G.B.) French walnut (G.B.) Italian walnut (G.B.)

232	walnut, American black	*Juglans nigra* L.	Eastern U.S.A.	Small quantities also occur in Eastern Canada.	American walnut (G.B.) black walnut (G.B.)
233	walnut, Japanese	*Juglans sieboldiana* Maxim.	Japan	—	—
234	wandoo	*Eucalyptus redunca* var. *elata* Benth.	Western Australia	—	*Eucalyptus wandoo* Blakely
235	willow, black	*Salix nigra* Marsh.	U.S.A.	—	—
236	willow, cricket bat	*Salix alba* var. *caerulea* Sm.	British Isles	—	*Salix caerulea* Sm. close-bark willow (G.B.)
237	willow, white	(1) *Salix alba* L. (2) × *S. viridis* Fr.	British Isles	—	2. *S. alba* L. × *S. fragilis* L.
238	yemeri	*Vochysia hondurensis* Sprague	British Honduras	—	—
239	yon	*Anogeissus acuminata* Wall.	Burma, India	—	—
240	zebrano	? *Cynometra* sp. ? *Brachystegia* sp.	French West Africa	—	*African zebrawood (G.B.) zingana (France)
241	zebrawood	*Astronium fraxinifolium* Schott	Brazil	Not to be confused with Nos. 71, 145 and 240.	*" courbaril " (G.B.) locust wood (G.B.) gonçalo alves (U.S.A.) *" kingwood " (U.S.A.) *tigerwood (U.S.A.)

§ See footnote on p. 9.

* This name is misleading and its use should be discontinued.

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APPENDIX.

AUTHORS OF BOTANICAL NAMES, WITH ABBREVIATIONS WHERE USED.

Note.—For convenience, it is customary for the names of authors of botanical names to be quoted in an abbreviated form unless the personal name is a short one, *e.g.*, Koch, Link. The following is a list of such abbreviations used in the preceding pages, together with the authors' names in full :—

Where no dates are assigned, the precise date of death is uncertain or the author is still living.

Ait.	Aiton, W., 1731–1793
All., Fr.	Allemão, Fr.
Ashe	Ashe, W. W.
Aubl.	Aublet, J. B. C. F., 1720–1778
Auct.	Authors (used where names have been applied incorrectly by various authors).
Bail., F. M.	Bailey, F. Manson
Baill.	Baillon, H. E., 1827–1895
Bak.	Baker, J. G., 1834–1920
Bak. f.	Baker, E. G.
Bak. E. G.	Baker, E. G.
Bak. R. T.	Baker, R. T.
Bedd.	Beddome, R. H.
Bechst.	Bechstein, J. M., 1757–1822
Benth.	Bentham, G., 1800–1884
Binn.	Binnendijk
Bl.	Blume, K. L., 1796–1862
Borkh.	Borkhausen, M. B., 1760–1806
Brit.	Britton, N. L.
Br., R.	Brown, R., 1773–1858
Br., P.	Brown, Patrick, 1720–1790
Buckl.	Buckley, S. D., 1809–1884
Burk.	Burkill, I. H.
Burtt Davy	Burtt Davy, J.
Cap.	Capanema
Chev., A.	Chevalier, Aug.
Cockne.	Cockayne, O.
Cunn., A.	Cunningham, A., 1791–1839
DC.	De Candolle, A. P., 1778–1841
DC., C.	De Candolle, Casimir P.
De Wild.	De Wildeman, E.

Deane & Maid.	Deane, H. & Maiden, J. H.
Diels	Diels, L.
Don, D.	Don, D., 1799–1841
Dur.	Durand, Th. & H.
Duroi	Du Roi, —
Dyer	Dyer, Sir W. T. Thiselton-
Ehrh.	Ehrhart, F., 1742–1795
Engelm.	Engelmann, G., 1809–1884
Engl.	Engler, Adolf, 1889–1930.
Exell	Exell, A. W.
Fisch.	Fischer, F. E. L. von, 1782–1854
Foxw.	Foxworthy, F. W.
Francis & White	Francis, W. D. & White, C. T.
Fr.	Fries, E. M., 1794–1878
Gaertn.	Gaertner, J., 1732–1791
Gaertn. f.	Gaertner, C. F., 1772–1850
Gamb.	Gamble, J. S.
Gleas. & Pansh.	Gleason, H. A. & Panshin, A. J.
Gray, A.	Gray, Asa, 1810–1888
Griseb.	Grisebach, A. R. H., 1814–1879
Guill.	Guillemin, J. B. A., 1796–1842
Gürke	Gürke, M.
Harms	Harms, H.
Hart.	Hartig, Th. (–1851–).
Hayne	Hayne, F. G., 1763–1832
H.B. & K.	Humboldt, F. H. A. von (1796–1859); Bonpland, A. (1773–1858); and Kunth, C. S. (1788–1850)
Heim	Heim, F.
Hemsl.	Hemsley, W. B., 1843–1924
Henry	Henry, Augustine
Hiern	Hiern, W. P.
Hochst.	Hochstetter, C. F., 1787–1860
Hook.	Hooker, W. J., 1785–1865
Hook. f.	Hooker, Sir J. D., 1817–1911
Hub.	Huber, J.
Huds.	Hudson, W., 1730–1793
Hutch. & Dalz.	Hutchinson, J. & Dalziel, J. M.
Jacq.	Jacquin, N. J., 1727–1817
Juss. A.	Jussieu, A. de, 1797–1843
King	King, Sir George
Koch, K.	Koch, K. H. E., 1809–1879
Koen.	Koenig, C., 1754–1851
Koord.	Koorders
Korth.	Korthals, P. W.
Kosterm.	Kostermans, A. J. G. H.

Krug	Krug, L.
Krug & Urb.	Krug, L. & Urban, I.
Kuhlm.	Kuhlmann, J. G.
Ktze., O.	Kuntze, C. E. Otto, 1843–1907
Kurz	Kurz, S., 1833 ?–1878
Labill.	Labillardiere, J. J. H. de, 1755–1834
Lam.	Lamarck, J. B. A. P. de M. de, 1744–1829
Lamb.	Lambert, A. B., 1761–1842
Loud.	Loudon, J. C., 1783–1843
L'Hérit.	L'Héritier, C. L. de Brutelle, 1746–1800
Lieblein	Lieblein
L.	Linné, C. von, 1707–1778
L.f.	Linné, C. von, filius, 1741–1783
Maid.	Maiden, J. H.
Marsh.	Marshall, H., 1722–1801
Maxim.	Maximowicz, C. J., 1827–1891
Medic.	Medicus, F. C., 1736–1808
Merr.	Merrill, Elmer, D.
Mey., E.	Meyer, E. H. F., 1791–1858
Mez	Mez, K.
Michx.	Michaux, A., 1746–1802
Michx. f.	Michaux, F. A., 1770–1855
Mill.	Miller, P., 1691–1771
Miq.	Miquel, F. A. W., 1811–1871
Moench	Moench, C., 1744–1805
Muell., F.	Mueller, F. von, 1825–1896
Müll.-Arg.	Mueller or Müller, Jean (Argoviensis, *i.e.* of Aargau), 1828–1896
Nutt.	Nuttall, T., 1786–1859
Oerst.	Oersted, A. S., 1816–1872
Oliv.	Oliver, D., 1830–1917
Pansh.	Panshin, A. J.
Park.	Parker, R. N.
Pav.	Pavon, José, 175?–1844
Pellegr.	Pellegrin, F.
Perr.	Perrottet, G. S., 1793–1870
Pers.	Persoon, C. H., 1755–1837
Pierre	Pierre, Louis
Pitt.	Pittier, H. F.
Prain	Prain, Sir David
Presl	Presl, J. S., 1791–1849
Pursh	Pursh, F., 1774–1820
Rehd.	Rehder, A.
Retz.	Retzius, A. J., 1742–1821

Roem.	Roemer, J. J., 1763–1819
Rose	Rose, J. N.
Roth	Roth, A. W., 1757–1834
Roxb.	Roxburgh, W., 1759–1815
Ruiz & Pav.	Ruiz, L. H. (1764–1815) & Pavon, José (175?–1844)
Rupr.	Ruprecht, F. J., 1814–1870
Salisb.	Salisbury, R. A., 1761–1829
Sarg.	Sargent, C. S.
Schau.	Schauer, J. K., 1813–1848
Scheff.	Scheffer, R. H. C. C., 1845–1880
Schinz	Schinz, Hans
Schomb.	Schomburgk, R.
Schott	Schott, H. W. (1794–1865)
Schum., K.	Schumann, K. M., 1851–1904
Scop.	Scopoli, J. A., 1723–1788
Seem.	Seeman, B., 1825–1871
v. Sloot.	D. F. van Slooten
Sm.	Smith, J. E., 1759–1828
Sprague	Sprague, T. A.
Spr.	Sprengel, Kurt, 1766–1833
Standl.	Standley, P. C.
Steud.	Steudel, E. G., 1783–1856
Stokes	Stokes, J., 1755–1831
Sweet	Sweet, R., 1783–1835
Sym.	Symington, C. F.
Teijsm.	Teijsmann, J. E.
Ten.	Tenore, M., 1780–1861
Thom.	Thomas, F., 1840–1918
Thoms.	Thomson, Thomas, 1817–1878
Torr. & Gray	Torrey, J. (1796–1873) & Gray, A. (1810–1888)
Urb.	Urban, Ignatz
Vahl	Vahl, M., 1749–1804
Valet.	Valeton
Vell....	Vellozo, J. M. da C., 1743–1812
Vent.	Ventenat, E. P., 1757–1808
Wall.	Wallich, N., 1786–1854
Warb.	Warburg, Otto
Ward.	Warder, J. A., 1812–1883
White & Francis	White, C. T. & Francis, W. D.
W. & A.	Wright, R. (1796–1872) & Arnott, G. A. W. (1799–1868)
Willd.	Willdenow, C. L., 1765–1812
Wils., E. H.	Wilson, E. H.
Wils., P.	Wilson, P.
Wright, C. H.	Wright, C. H.
Zucc.	Zuccarini, J. G., 1797–1848

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